

COURSE SYLLABUS

Medical Microbiology, Hospital Infection Control and Immunology in relation to Oral Health, 7.5 credits

Medicinsk mikrobiologi, vårdhygien och immunologi - inriktning oral hälsa, 7,5 högskolepoäng

Course Code:	HMOA17	Education Cycle:	First-cycle level
Confirmed by:	May 13, 2013	Disciplinary domain:	Medicine
Revised by:	Department head Oct 30, 2014	Subject group:	ME1
Valid From:	Jan 19, 2015	Specialised in:	G1N
Version:	6		

Intended Learning Outcomes (ILO)

Upon completion of the course the student should have the;

Knowledge and understanding

in order to describe

- common microorganisms
- structures, metabolism, genetics and pathogenic ability of microorganisms
- common principles in microbiological diagnostics and treatment
- structure and functions of the immune system
- microorganisms and the importance of the immune system, in common oral diseases
- transmission of microorganisms and actions for prevention
- medical hygiene and its relevance for dental care
- how medical hygiene is regulated in laws and regulations.

Contents

- general and specific microbiology
- microbiological diagnostics
- antibiotic and antiviral pharmaceuticals and resistance mechanisms
- oral microbiology and immunology
- medical hygiene, prevention of transmission, laws and regulations
- structure and function of the immune system

Type of instruction

The course consists of lectures and a lab exercise.

The teaching is normally conducted in Swedish, but can occasionally be in English.

Prerequisites

General entry requirements (or the equivalent).

Examination and grades

The course is graded A, B, C, D, E, FX or F.

Exam form

One individually written exam and one lab exercise.

Examiner

The course exams are conducted by a university lecturer.

Registration of examination:

Name of the Test	Value	Grading
Written examination ¹	7.5 credits	A/B/C/D/E/FX/F
Laboration	0 credits	U/G

¹ Determines the final grade of the course, which is issued only when all course units have been passed.

Course literature

Marsh, P., & Martin, M. V. (2001). Oral microbiology. Oxford: Wright.

Cowan, K.C. (2011). Microbiology A Systems Approach. New York: McGraw-Hill.

Zimmerman, M. (2003). Hygien, smittskydd, etik i tandvården. Stockholm: Gothia.

The latest edition of the course literature will be used.

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Department of Natural Science and Biomedicine